

IMAGING SYSTEM WITH MULTIPLE BOOT OPTIONS

ABSTRACT OF THE DISCLOSURE

5 An imaging system with multiple boot options and preferably implemented as an integrated system-on-a-chip (SOC) imaging system. According to the present invention, an imaging system can be operated in one or more operating modes enabled in a number of ways. The imaging system can boot using one or more configurations stored either internally or externally, wherein a user can select a mode of operation or configure the imaging system for different applications. Consequently, multiple applications and, thus, market segments can be served by essentially the same hardware, while application-specific customization can be achieved by
10 configuring the system from a plurality of boot options according to the intended application. In addition, the present invention enables loading new software, adding a new capability, such as interfacing with a new type of device, or implementing a special troubleshooting operating mode for maintenance and diagnostics. This simplifies development of imaging systems and can result in more efficient product support.